

## Alpha IP: Dimming actuator for brand switches – BDT 24001-N0

The Alpha IP Dimming Actuator for Brand Switches is suitable for installation in a flush-type box. Once installed, it switches and dims connected lights and lamps.

The dimming actuator for brand switches allows a comfortable control of connected consumers via the rocker button or via the Alpha IP app. When the rocker button is pressed shortly, the dimming actuator will switch the consumer on or off. When the rocker is used, the brightness of a lamp or a light is dimmed correspondingly.

The adaptors for different switch series allow a cost-saving exchange of switches made by popular manufacturers against an intelligent Alpha IP installation. Installation efforts are kept to a minimum because components of the already existing or scheduled switch series and cables can be used. The design resp. the colours and surfaces of already installed switch series remains unchanged, because existing frames and rockers can be continued to be used. The dimming actuator allows the dimming of:

- normal light bulbs,
- high-voltage halogen lamps,
- low voltage halogen lamps with electronic transformer,
- dimmable energy-saving lamps<sup>1</sup> and
- dimmable LED lamps<sup>2</sup>.

(1) The usable dimming range is strongly restricted in most cases.

(2) A flawless dimming behaviour cannot be guaranteed with any desired LED lamps.



### 1.1 Product characteristics

- The flush-type dimming actuator allows the dimming of connected light bulbs, HV halogen lamps, NV halogen lamps with electronic transformers, dimmable energy-saving lamps and dimmable LEDs.
- Using the Alpha IP app, connected lights can be dimmed almost variably in 0.5 % increments
- Low standby power consumption
- Compact design, for installation in standard flush-type boxes
- Integration also into existing switch series by using existing frames and rockers
- If a suitable adapter is used, integration into the most popular designs of leading switch manufacturers is possible: Busch-Jaeger, Gira, Merten, Berker, Jung, düwi, Kopp
- Reliable operation already as of a minimum load of 3 VA
- A neutral conductor must be available for the installation

### 1.2 Scope of supply

- Alpha IP Dimming Actuator for Brand Switches
- 2 x screws 3.2 x 15 mm
- 2 x screws 3.2 x 25 mm
- Operating instructions

## 2 Technical data

Supply voltage	230 V/50 Hz
Power consumption	0.35 A
Minimum load	3 VA
Maximum switching power	80 VA
Standby power consumption	0.4 W
Dimming method	trailing-edge phase
Load type	ohmic and capacitive lamp load
Line type and line section	solid and stranded cables, 0.75 – 1.5 mm <sup>2</sup>
Installation	only in switchboxes (mounting boxes) according to DIN 49073-1
Protection type	IP20
Ambient temperature	5 - 35 °C

Dimensions (W x H x D)	71 x 71 x 37 mm
Weight	47 g
Radio frequency	868.3 MHz / 869.525 MHz
Typical radio range	270 m (in open air)
Packaging dimensions	122 x 112 x 48 mm
Packaging weight	120 g